CIVIL-TECH CONSULTANTS AND ENGINEERS

Building & Highway Material Testing Laboratory

NABL - Accredited Laboratory as per ISO / IEC-17025 :2005

T-2377

Job No.: CTCE/BBMP/AKR/CSR-03/1093d/CEMENT/2015-16 Date: 12.03.2016

TEST REPORT ON CEMENT

* CUSTOMER	:	**Asst. Executive Engineer,** Yelahanka Sub Division, BBMP, Bangalore.
*AGENCY		**Mr. A. Kumar Reddy,** Contractor, Bangalore.
*NAME OF THE WORK	:	Providing Signage Boards in Ward No. 01 of Yelahanka Sub Division, BBMP, Bangalore.
REFERENCE		AEE/BBMP/YSD/AE-1/478/2015-16 Dated: 10.03.2016
SAMPLE ID	:	Cement
SAMPLE RECEIVED ON	:	10.03.2016
PERIOD OF TESTING	:	10.03.2016 to 12.03.2016

The results of the tests conducted on the cement sample are as follows:

Sl. No	Descriptions	Test Method as per IS	Test Result	Requirements as per IS: 8112-2013
1	Standard Consistency	IS-4031 (Part -4) 1988(RA-2009)	29.50 %	-
2	a) Initial Setting Time	IS-4031 (Part -5) 1988(RA-2009)	160 Minutes	Not Less than 30 Minutes
	b) Final Setting Time	IS-4031 (Part -5) 1988(RA-2009)	455 Minutes	Not More than 600 Minutes
3	Soundness by Le Chartlier Method	IS-4031 (Part-3) 1988(RA-2009)	1 mm	Not more than 10mm

*Information is furnished by the Customer/Representative.

Note:

⇒ The report shall not be reproduced, except in full, without the written approval of the laboratory.

⇒ The results indicated above are based on the tests carried out on the samples received in the laboratory.

⇒ Any Query regarding the report must be reported within 30 days from the date of testing.

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Quality Manager

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Job No.: CTCE/BBMP/AKR/CSR-03/1093d/SAND-Gradation/2015-16 : 12.03.2016

TEST REPORT ON DETERMINATION GRADATION OF FINE AGGREGATES

* Customer	: **Asst. Executive Engineer,** Yelahanka Sub Division, BBMP, Bangalore.
* Agency	: **Mr. A. Kumar Reddy,** Contractor, Bangalore.
* Name of Work	: Providing Signage Boards in Ward No. 01 of Yelahanka Sub Division, BBMP, Bangalore.
Reference	: AEE/BBMP/YSD/AE-1/478/2015-16 Dated: 10.03.2016
Technical Reference	: IS : 2386 Part 1 - 1963 RA-2007
Sample ID	: Fine Aggregates
Sample Received on	: 10.03.2016
Date of Testing	: 12.03.2016

Total Wt. of Aggregates in gms 1000

Is Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS 383-1970 (RA- 2007)			
		Zone-I	Zone-II	Zone-III	Zone-IV
10	100	100	100	100	100
4.75	92.42	90-100	90-100	90-100	95-100
2.36	73.96	60-95	75-100	85-100	95-100
1.18	52.09	30-70	55-90	75-100	90-100
600 Micron	23.56	15-34	35-59	60-79	80-100
300 Micron	10.67	5-20	8-30	12-40	15-50
150 Micron	3.43	0-10	0-10	0-10	0-15

*Information is furnished by the Customer/Representative.

Remarks : This sample is under Zone-I specific limits.

Note:

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2. The results indicated above are based on the tests carried out on the samples received in the laboratory.
3. Any Query regarding the report must be reported within 30 days from the date of testing.

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Job No.: CTCE/BBMP/AKR/CSR-03/1093d/AGG/GR/2015-16 : 12.03.2016

TEST REPORT ON DETERMINATION GRADATION OF COARSE AGGREGATES

* Customer	: **Asst. Executive Engineer,** Yelahanka Sub Division, BBMP, Bangalore.
* Agency	: **Mr. A. Kumar Reddy,** Contractor, Bangalore.
* Name of Work	: Providing Signage Boards in Ward No. 01 of Yelahanka Sub Division, BBMP, Bangalore.
Reference	: AEE/BBMP/YSD/AE-1/478/2015-16 Dated: 10.03.2016
Technical Reference	: IS : 2386 Part 1 -1963 RA-2007
Sample ID	: Coarse Aggregates (20mm)
Sample Received on	: 10.03.2016
Date of Testing	: 12.03.2016

Total Wt. of Aggregates in gms= **5000**

Is Sieve Size in mm	Cumulative Weight Passing in %	Specific Limits as per IS :383-1970 (RA- 2007)	
		Graded	Single Sized
40	100	100	100
20	96.34	95-100	85-100
10	31.28	25-55	0-20
4.75	2.86	0-10	0-5

* Information is furnished by the Customer/Representative

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Remarks : This sample is under Graded specific limits

Note:

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2. The results indicated above are based on the tests carried out on the samples received in the laborator
3. Any Query regarding the report must be reported within 30 days from the date of testing.

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Quality Manager

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